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veloping ear, the plant's own tassel having been cut away some time previous. After a short time this set of male flowers was removed, and a panicle of male flowers from a white variety was introduced to the same bottle in order to afford it the opportunity of operating on the same female flowers. The result was the ear now presented. The base of *each grain* was of the yellow flint corn, but the *upper half* of the white variety.

Those who opposed the facts of evolution by continually cautioning its advocates against giving way to "imagination" and "brilliant speculations," he thought might be profitably benefited by their own suggestions. There was comparatively little to sustain the idea of reversion, but fancied resemblance—and this resemblance not the result of a comparison of two facts side by side; but a fact on one hand compared with memory, and often the distant and vague memory of another long in the past. At any rate, in these experiments of Mr. Arnold, there was the test applied to guard against any objection of either reversion or evolution, which, though not absolutely perfect, was as near so as the vast mass of human experience was; and the result was he thought no escape from the conclusion, not only that there was an immediate influence on the seed and the whole fruit structure by the application of strange pollen; but the still more important fact, hardly before more than suspected, that one ovule could receive and be affected by the pollen of two distinct parents, and this too after some time had elapsed between the first and second impregnation.

JANUARY 28.

The President, Dr. RUSCHENBERGER, in the chair.

Twenty-seven members present.

The following gentlemen were elected members: Charles Sinnickson, Chas. I. Yorke, Jr., John S. Sinnickson, M.D., Armon D. Trimble, and Howard N. Potts.

The following standing committees were elected for the year 1873:—

ANTHROPOLOGY.

J. Aitken Meigs,
Henry S. Schell,
J. F. Richardson.

COMPARATIVE ANATOMY.

Harrison Allen,
J. H. McQuillen,¹
Jos. Leidy,
Henry C. Chapman.

MAMMALOLOGY.

Harrison Allen,
Edw. D. Cope,
Henry C. Chapman,
U. C. Smith.

ORNITHOLOGY.

Bernard A. Hoopes,
Edwin Sheppard,
Theo. L. Harrison,
Jas. Ogden,
John Krider.

ICHTHYOLOGY.

Edw. D. Cope,
Thaddeus Norris,
J. H. Redfield.

HERPETOLOGY.

Edw. D. Cope,
Harrison Allen,
Samuel B. Howell.

ARTICULATA.

G. H. Horn,
R. S. Kenderdine,
T. Hale Streets.

RADIATA.

G. H. Horn,
J. G. Hunt,
R. S. Kenderdine,
S. B. Howell.

VERTEBRATE PALÆONTOLOGY.

Jos. Leidy,
Edw. D. Cope,
Harrison Allen.

INVERTEBRATE PALÆONTOLOGY.

T. A. Conrad,
H. C. Wood, Jr.,
Persifer Frazer, Jr.

BOTANY.

E. Durand,
Thos. Meehan,
Isaac Burk,
Rachel Bodley.

MINERALOGY.

Wm. S. Vaux,
E. Goldsmith,
Jos. Willcox,
Clarence S. Bement,
Persifer Frazer, Jr.

CHEMISTRY.

F. A. Genth,
Robert Bridges,
E. Goldsmith,
S. B. Howell.

PHYSICS.

R. E. Rogers,
J. G. Hunt,
Robert Bridges,
J. H. McQuillen,
Alex. Willcox.

INSTRUCTION AND LECTURES.

Hector Tyndale,
R. S. Kenderdine,
Wm. S. Halsey,
J. Aitken Meigs,
W. S. W. Ruschenberger.

LIBRARY.

Jos. Leidy,
Chas. F. Parker,
Geo. W. Tryon, Jr.,
W. S. W. Ruschenberger,
J. G. Richardson.

On report of the committees, the following papers were ordered to be printed.